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| **GROUP NUMBER** | **TOPIC NAME** |
| 1 | Traffic light control system design using digital logic |
| 2. | Take one Zener diode, develop a curve for its characteristics. |
| 3 | Design a Voltage follower circuit |
| 4 | Design a circuit for triangular Wave generation |
| 5 | Design a circuit for sinusoidal WAVE GENERATION |
| 6 | Charging Battery using a full wave center tapped rectifier |
| 7 | Design a circuit for square wave generation |
| 8 | Implementation of full subtractor using operational amplifier |
| 9 | Design a circuit for customized shape waveform genmeration |
| 10 | Demonstration of Clipper Circuit as Power supplier fir limiting the voltage |
| 11 | Implementing error detection with parity checker using XNOR gate |
| 12 | Voltage regulator using Zener diode |
| 13 | Implementation of clamper circuit as voltage multiplier  ( Doubler ) |
| 14 | Implementing inverter using XOR gates |
| 15 | Digital to analog converter |
| 16 | Implement XOR gate using BJT transistor |
| 17 | Design a circuit for addition of two numbers |
| 18 | Design a circuit for multiplication |